EN

VISUAL PARKING ASSIST SENSOR SYSTEM (VPASS)

VPX-B104R

- OWNER'S MANUAL
  Please read before using this equipment.
- MODE D'EMPLOI
  Veuillez lire avant d'utiliser cet appareil.
- MANUAL DE OPERACIÓN
  Léalo antes de utilizar este equipo.

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Operating Instructions

WARNING

⚠ DANGER

This symbol means important instructions. What to do in the case of an extremely critical situation wherein someone may suffer grave or mortal injury.

DO NOT PROCEED TO BACK UP YOUR VEHICLE WHILE PEOPLE ARE IN YOUR VIEW OR THE CAMERA'S VIEW. SERIOUS INJURY OR DEATH CAN RESULT.

⚠ WARNING

This symbol means important instructions. Failure to heed them can result in serious injury or death.

WHEN USING SYSTEM, THE DRIVER MUST VISUALLY CHECK ACTUAL CONDITIONS AROUND THE VEHICLE. MAKE SURE THERE ARE NO PERSONS OR ANIMALS IN THE AREA IN WHICH YOU ARE MANEUVERING OTHERWISE YOU COULD INJURE THEM.

A camera assists the driver by sending images to the screen showing conditions in view of the camera. The camera uses a wide-angle lens, therefore, there is a difference in distance perspective between what is normally seen and what appears on the screen. Also, the images shown by the rearview camera are reversed, so as to appear the same as what is seen through the rearview mirror.

The system may not perform to full capability due to variables such as:

- weather conditions such as hard rain, snow, fog or mud
- extremely high or low temperatures near camera and/or sensor
- slope of vehicle and/or roadway
- direct exposure to very bright light such as headlamp or bright sunlight
- moving from very dark to very bright light and vice versa such as in parking garages or tunnels
- extremely low light areas
- walls or objects that are located diagonally in relation to the camera
- retracted mirrors that change camera viewing angle
- open doors or trunks
- changes to height of vehicle due to loading capacity or hydraulic suspensions
- objects located at the corner of the vehicle

CHECK THAT THE CAMERA AND/OR SENSOR MOUNTING IS ATTACHED SECURELY, AND THAT THE SCREWS ARE TIGHT BEFORE DRIVING.

Failure to do so may result in an accident.

WHEN INSTALLING OR CHECKING A CAMERA AND/OR SENSOR, DO SO AFTER PARKING THE CAR IN A LEVEL, SAFE PLACE, TURNING OFF THE ENGINE, AND APPLYING THE HAND BRAKE.

Failure to do so may result in an accident.

WHEN INSTALLING CAMERA AND/OR SENSOR, BE SURE TO USE SPECIFIC VEHICLE CALIBRATION KIT OTHERWISE IT WILL NOT ACCURATELY DISPLAY IMAGES.

Failure to do so may result in an accident.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

Doing so may result in an accident, fire or electric shock.

KEEP SMALL OBJECTS SUCH AS BOLTS OR SCREWS OUT OF THE REACH OF CHILDREN.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES.

Failure to do so may result in fire or electric shock.

MAKE THE CORRECT CONNECTIONS.

When making connections to the vehicle's electrical system, be aware of the factory installed components (e.g. on-board computer). Do not tap into these leads to provide power for this unit. When connecting the device to the fuse box, make sure the fuse for the intended circuit of the device has the appropriate amperage. Failure to do so may result in fire or damage to the unit and/or the vehicle. When in doubt, consult your Alpine dealer.

BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL.

Failure to do so may result in electric shock or injury due to electrical shorts.

DO NOT ROUTE ELECTRICAL CABLES NEAR HOT OR MOVING PARTS.

Route the cables and wiring away from hot or moving parts, and fix them securely to avoid heat/mechanical damage to the cable insulation, which may result in a short circuit, fire or electric shock.

DO NOT SPLICE INTO ELECTRICAL CABLES.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR SHIFT LEVER.

Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES.

When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.

DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS.

Bolts or nuts used for the brake or steering systems (or any other safety-related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire etc.

DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, shift lever, brake pedals, etc. can be extremely hazardous.

USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS.

Use for other than its designed application may result in fire, electric shock or other injury.

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

(Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.

WHEN USING A DRILL TO MAKE A HOLE, TAKE PRECAUTIONS SUCH AS WEARING GOGGLES SO FRAGMENTS DO NOT GET INTO THE EYES.

Failure to do so may result in injury.

CALIBRATION REQUIRED.

Calibration may be required for adjusting parking guideline.

BE CAREFUL WHEN SETTING THE ALARM VOLUME.

Set the alarm volume to an audible level. If the alarm cannot be heard due to the volume of the car radio, etc., it might result in an accident.

⚠ CAUTION

This symbol means important instructions. Failure to heed them can result in injury or material property damage.

DO NOT ATTACH THE CAMERA AND/OR SENSOR MOUNTING TO FLUOROCARBON RESIN FINISHED CAR BODIES OR GLASS.

Doing so could cause the strength of the mounting to weaken, which could cause it to fall of and cause accidents, injury, or damage to the car body.

DO NOT ATTACH THE CAMERA AND/OR SENSOR MOUNTING TO ANY SURFACE WHERE THE ENTIRE ADHESIVE SURFACE CANNOT BE APPLIED.

Doing so could cause the strength of the mounting to weaken, which could cause it to fall of and cause accidents, injury, or damage to the car body.

EXCEPT FOR THE CAMERA AND/OR SENSOR, DO NOT ATTACH ANY PARTS TO AREAS WHICH WILL GET WET, OR WHERE THERE IS A LOT OF HUMIDITY OR DUST.

Failure to do so may result in fire or damage.

USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

HAVE THE WIRING AND INSTALLATION DONE BY EXPERTS.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.

ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE.

Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring.

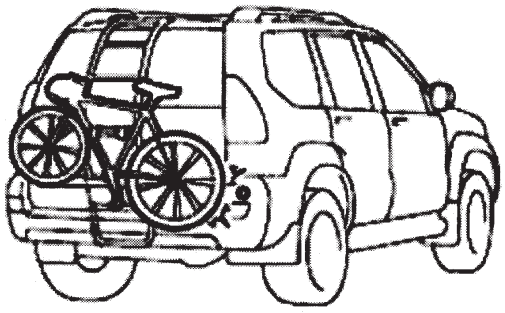
HALT USE IMMEDIATELY IF A PROBLEM APPEARS.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized Alpine dealer or the nearest Alpine Service Center for repairing.

CHECK WIRING WHEN ATTACHING.

Double-check your wiring to ensure all connections are correct and secure. Also, do not apply unnecessary force to the harness. This can result in battery failure, performance failure, connector damage, or wire breakage.

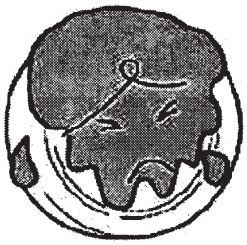
This system uses ultrasonic sensors to help sharpen the driver's detection of obstacles. It is used when parking in a garage or a narrow passage. As such, this system does not relieve the driver of the obligation to pay attention to his/her driving, and the driver should exercise safe driving habits without relying heavily on this system. The detection range of the Visual Parking Assist Sensor System (VPASS system) is restricted to the area around the bumper. When moving the car either forward or backward, drive slowly and keep a safe distance around the vehicle. To ensure the sensors function accurately, never install accessories in close proximity to the sensors.



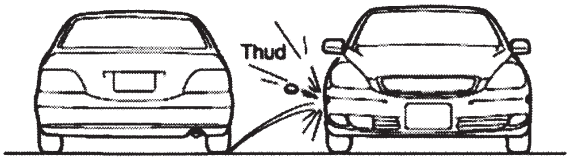
1 The detecting function might not operate properly under the following conditions:

- When the detection sensors become frozen. (Normal function resumes after defrosting.)

- When the detection sensors are clogged with foreign matter such as show, mud or icicles. (Normal function resumes after removal.)

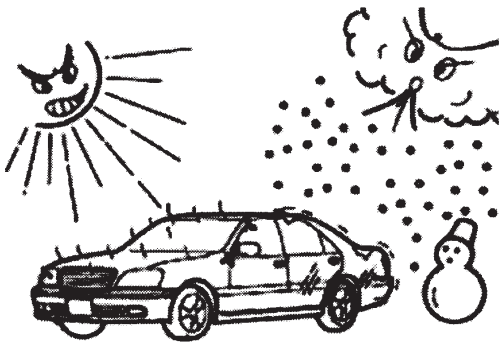


- When a detection sensor is subject to a strong impact.

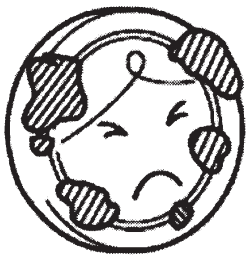


2 The detecting range could decrease under the following conditions:

- When the vehicle is parked for a long period of time in the sunlight or in cold weather.

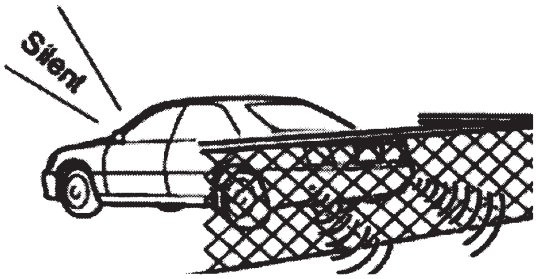


- When the detection sensors are clogged with mud, snow or icicles.

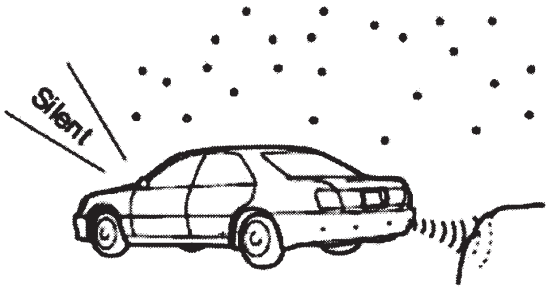


3 The Parking Corner Sensor might not be able to detect the following objects:

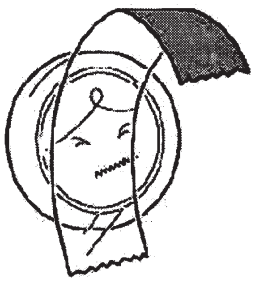
- Rope, wire, small-diameter pipes or objects made of these materials, such as wire fences.



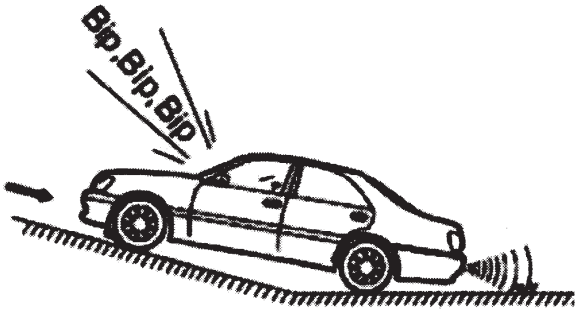
- Objects that absorb sound waves easily, such as fabrics or other soft, absorbent materials.



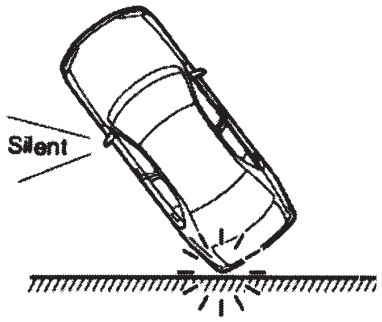
- When a sensor is covered by something. (The function resumes after removal.)



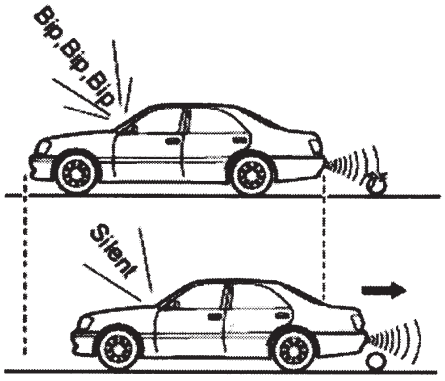
- When the vehicle is parked at extreme angles in relation to surrounding objects.



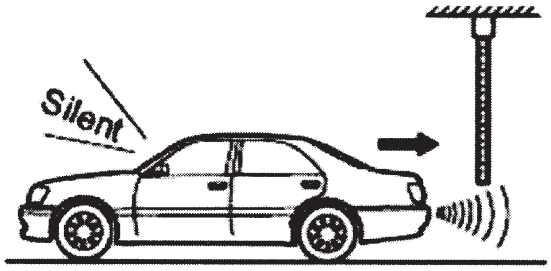
- When getting too close to an obstacle (< 0.7ft) as the sensors might have a false detection; for example: no beep, slow beep, fast beep or three fast beeps.



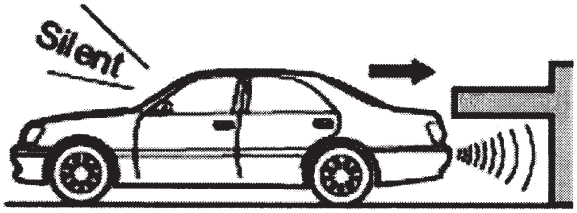
- Objects around the lower part of the bumper. Even if the sensors detect a low object initially, when the vehicle is driven closer to the object, the buzzer might suddenly stop beeping.



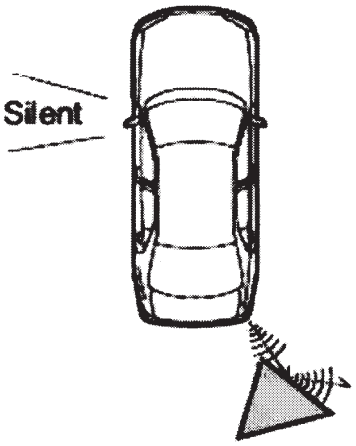
Obstacles being lowered from above, such as a garage door.



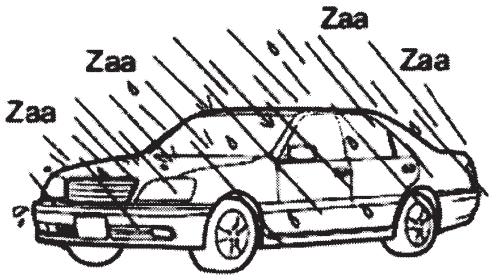
Obstacles that project out high above the floor.



- Non-reflecting objects that project at sharp or acute angles in relation to the sensors.



- Heavy rain or a large amount of water (or splash) on the sensors.



Caring for the Backup Sensors

1. Wipe the sensors clean with a clean cloth. Flush with low-pressure water if the sensors are clogged with mud or dirt.
2. Do not spray the sensors with high-pressure water, as provided at a self-serve car wash.

NOTICE

- When washing the vehicle, do not use an automatic car washer, or high-pressure washer. Doing so could cause the camera and/or object sensor to come off, damage to the device cords, or may allow water to enter the camera and/or object sensor.
- In some cases, to attach the device, a hole must be drilled in the car body, requiring use of touch-up paint (retail product) for rust-prevention, and should be prepared beforehand.
- Route the cables and wiring away from hot or moving parts, and fix them securely to avoid heat/mechanical damage to the cable insulation, which may result in short-circuit, fire or electric shock.

Sensor Operation

Introduction

Thank you for purchasing this Visual Parking Assist Sensor System (VPASS system). Please read this User's Information Manual carefully before using the VPASS system.

This Owners Manual contains important information about the safe operation of the VPASS system. We urge you to read this manual carefully, and follow its recommendations to help make your driving trouble-free and enjoyable.

Important Information

Before using the backup sensors, make sure you read and understand the operation and limitations of the system as discussed throughout this manual.

The backup sensors make an audible sound when they detect large stationary objects while maneuvering the vehicle in reverse gear at low speed. However, not all obstacles may be detected.

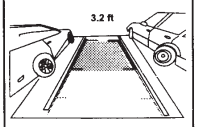
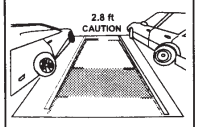
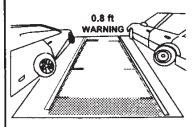
Even with backup sensors, the driver should always look for obstacles near the vehicle and make sure the path is clear when driving in reverse gear.

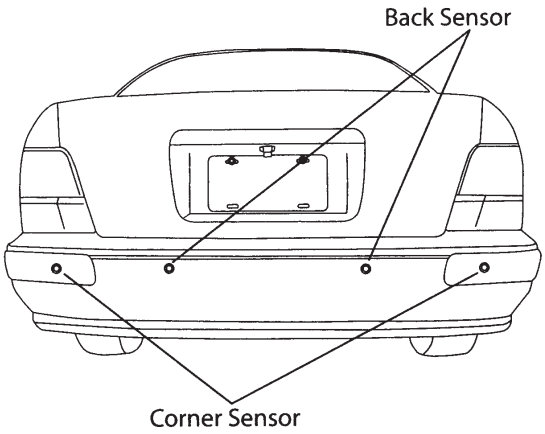
Never rely solely on the backup sensors; always look behind you before backing up. The sensors may not always detect people or animals in the path of your vehicle.

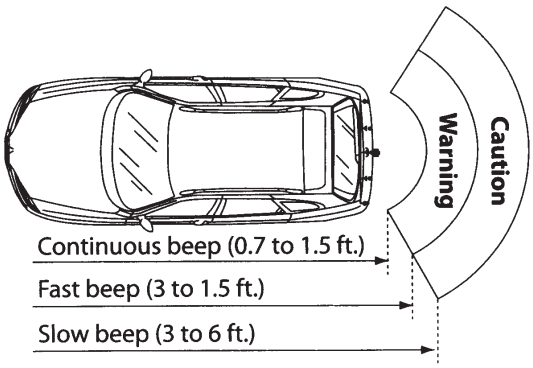
How the Visual Parking Assist Sensor System Works

The system is ready for operation when the ignition switch is turned ON and the shift lever is moved to the reverse position.

The visual parking assist sensor system alerts you with an audible signal and visual alert when the rear bumper of your vehicle is approaching an obstacle.

Sound	On-screen Message	On-screen Color	Distance to obstacle	Display
Slow beep	No message	GREEN	Within 3-6 ft	
Fast beep	CAUTION	YELLOW	Within 3-1.5 ft	
Con-tinuous beep	WARNING	RED	Within 0.7-1.5 ft	





Installation and Connections

For your protection, please pay extra attention to the following symbols.

⚠ CAUTION

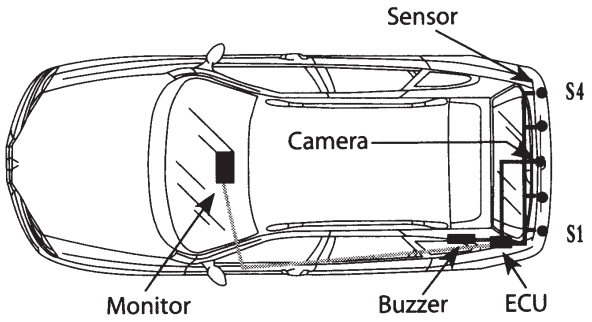
This symbol is intended to alert the user that an accident, injury or vehicle damage may occur if the instruction is not observed.

SUGGESTION

This symbol is intended to give the user a better understanding for safer or easier use of the system.

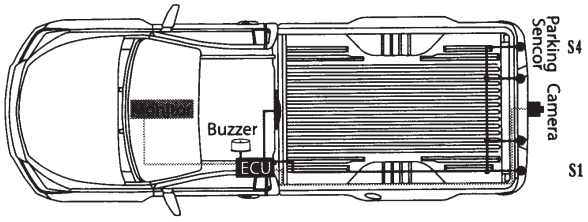
Installation Diagram

1. Sedan



- Buzzer can be installed anywhere within 10 ft. (3 m).
- ECU MUST be installed inside vehicle.
- Sensor cable must be installed from left to right.

2. Pickup Truck



- Buzzer can be installed anywhere within 10 ft. (3 m).
- ECU MUST be installed inside vehicle.
- Sensor cable must be installed from left to right.
- Optional extension cable (KWE-104PS) may be required.

Accessory Parts

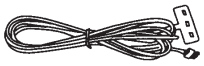
Check Accessory Parts.

x1

① ECU

② Sensor *4

Refer to Component section for detail.



x1

③ Setup Switch

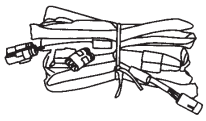
Without "Grommet" Part

x1

④ Buzzer

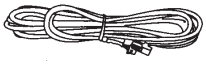
x1

⑤ Main Harness



x1

⑥ Sensor Cable



x1

⑦ Camera Cable
(3.5 m)

x1

⑨ Owner's and Installation Manual

Registration card

x1

⑩ Registration Card

Calibration Paper

x2

⑪ Installation Paper

x4

⑫ PS Guide Sticker

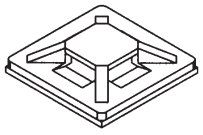
Tape

x2

⑬ Velcro Tape

x12

⑭ Wire Tie



x4

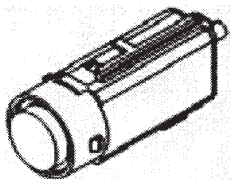
⑮ Mount Base

Component

SUGGESTION

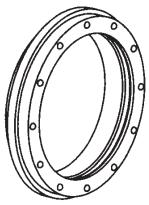
Please confirm the following sensor components are not dirty or damaged.

Sensor Unit Box



x4

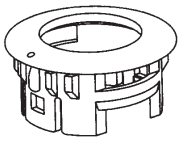
Sensor Unit



x4

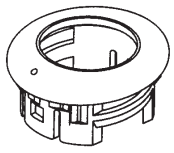
Rubber Ring

Sensor Cap Box



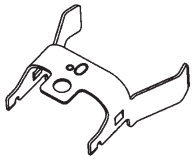
x4

0° Sensor Cap



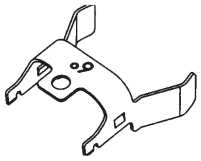
x4

6° Sensor Cap



x4

0° Spring Plate



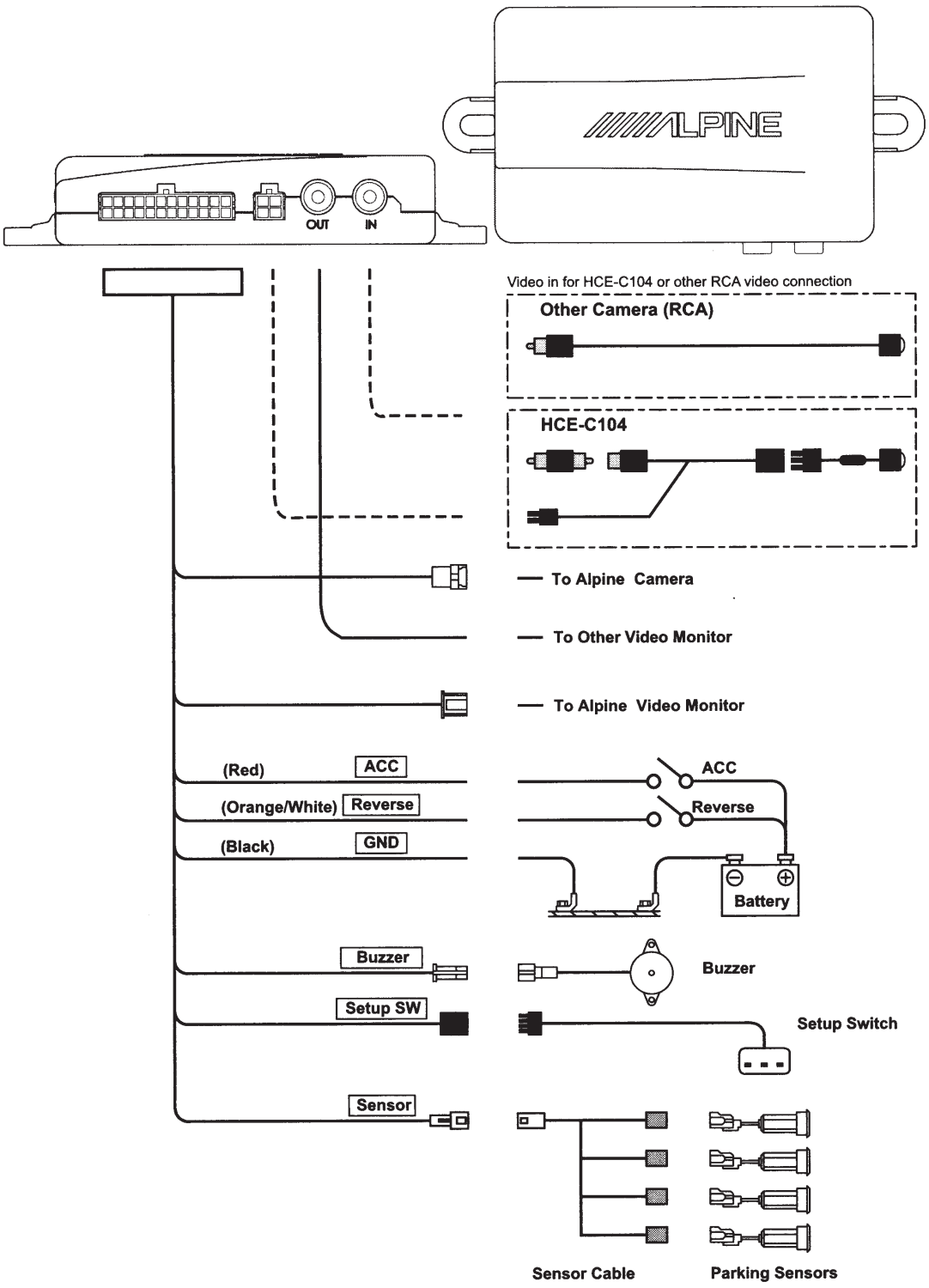
x4

6° Spring Plate

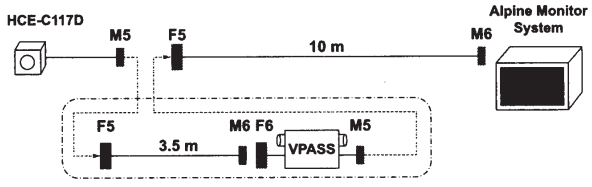
Installation Tool

15/16 inch (Ø 24 mm) drill bit is required.

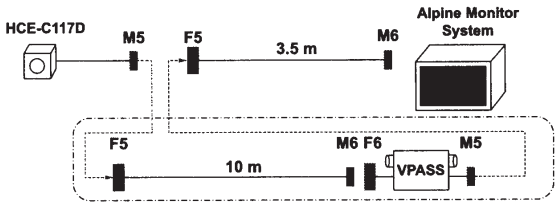
Wire Connection



For Sedan



For Pickup Truck



Note:

* Connect only one camera to the system using the Alpine Camera connector or RCA video in.
* Connect only one monitor to the system using the Alpine Video cable or RCA video out.
* Use the Alpine video cable (provided with system) to connect between the VPASS system and video monitor or between VPASS and Alpine camera

Painting Sensor Cover and Sensor Unit

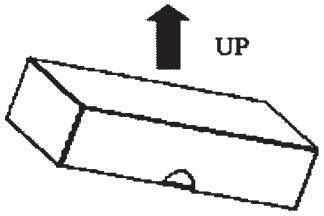
Please follow the instructions in this manual for painting and assembling, in order to get the best performance.

⚠ CAUTION

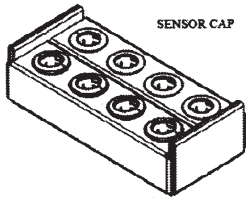
- Use only the painting and assembling methods detailed in this manual.
- Damages resulting from the failure to use the methods detailed in this manual are not our responsibility.
- Install sensors on the vehicle bumper after painting and assembling.
- Please refer to the Installation Manual for installing sensors on the vehicle bumper.
- Immediately clean the surface of the sensors with a soft cloth if they contact any fuel, oil, coolant, battery acid, sealants, adhesives, car care products, or any other substance that could cause damage.

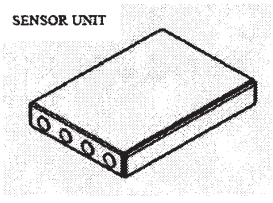
Sensor Assembly Painting Method

1 **Remove the sensor box cap.**



2 **Check if any accessories are missing and all accessories are aligning/ assembling properly.**



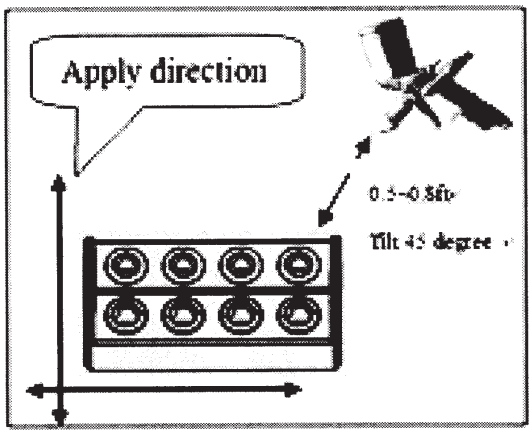


3 **Remove the spring plate from the sensor cap box to avoid painting.**

4 **Remove the rubber ring from the sensor unit box to avoid painting.**

5 **Evenly apply 2 or 3 base coats,allow each coat to dry before recoating.**

Note: Avoid painting the rubber ring around the sensor.



6 **Evenly apply 2 or 3 clear coats. For temperatures under 60° F, allow each coat to dry for 30 minutes before recoating.**

7 **When completely dried and hardened, proceed to the sensor installation instructions.**

CoatingThickness Suggestion:
Base coat: (15 ~ 30 μm);

Clear coat: (25 ~ 30 μm)

⚠ CAUTION

- Limit the use of "Spray Paint" to apply the coatings.
- Depending on the paint manufacturer, the instructions for painting will vary.
- The sensor unit has been pre-painted with a base coat, but additional coats are required.
- Before painting, make sure the box is free of all oil and dust.
- Apply the coats from a distance of 0.5 to 0.8 ft, with a tilt of 45 degrees.
- Do not let the coating adhere to the terminal and rubber during the time of painting.
- The sensor's performance will be reduced if the coating's thickness is uneven.

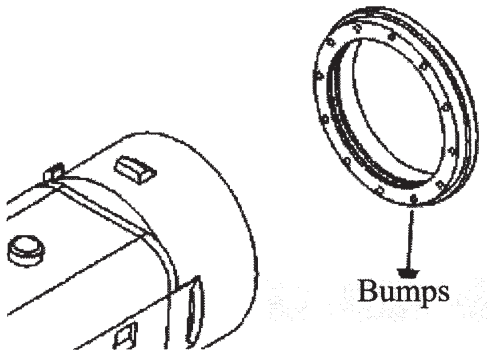
Sensor Assembly

1 **Remove the cap from the sensor unit after the paint is dry.**

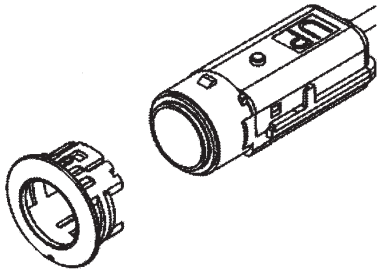
2 **Install the sensor rubber into the sensor unit.**

⚠ CAUTION

The side of the sensor rubber with the 12 noticeable points must face the SENSOR UNIT.



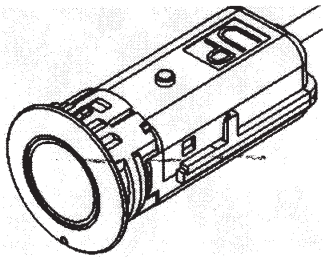
3 **Install the sensor cap onto the sensor unit.**



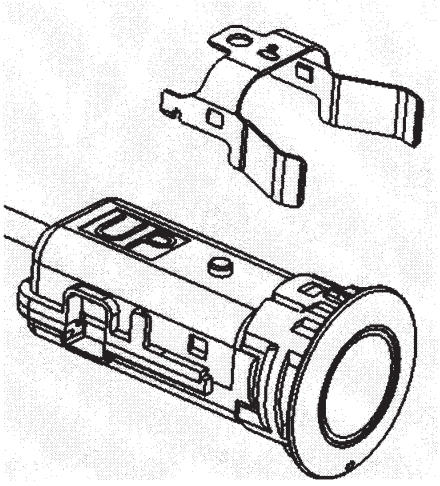
⚠ CAUTION

- Do not damage the coating surface when installing the rubber ring and sensor cap.
- Confirm the installation is not loose when installing the rubber ring and sensor cap.
- Make sure the rubber ring is not deformed when the sensor cap is installed into the sensor unit.
- Use Superglue where the sensor cap and sensor unit join, to increase security

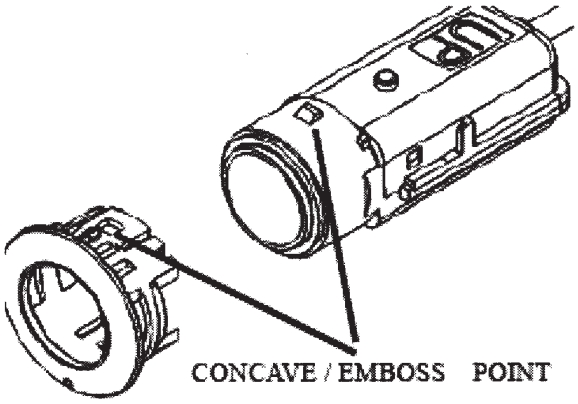
(Use the superglue for plastic only)



4 **Install the spring plate into the sensor unit.**



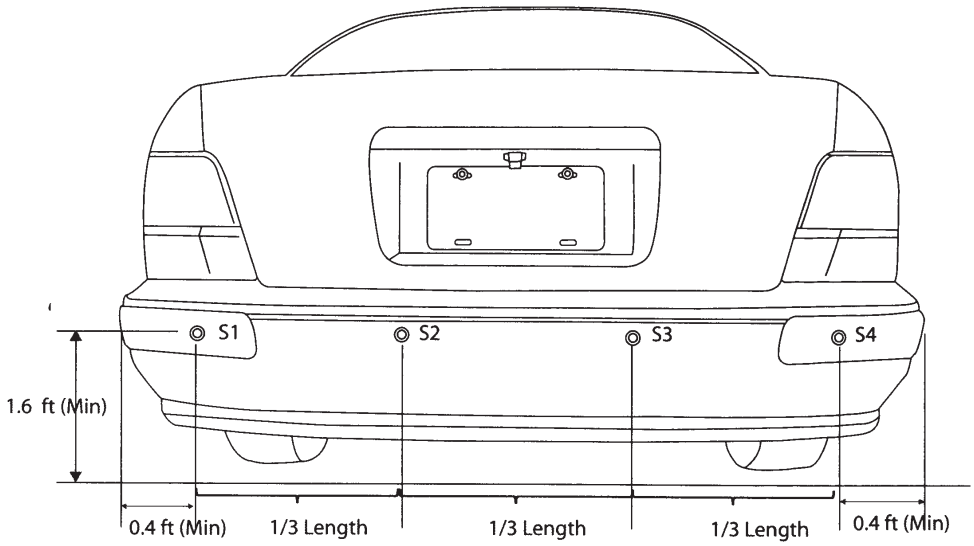
5 **Install the sensor on the vehicle bumper.**



SUGGESTION

Refer to the Installation of Sensor for installing sensors on the vehicle bumper. Before installing sensors on the vehicle bumper, make sure the painting process of sensors has been finished.

Installation of Sensor

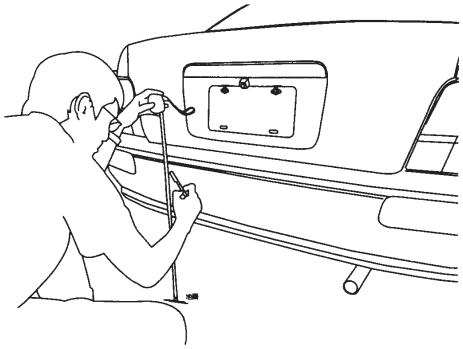


Equip the sensor with the 0° sensor cap and spring plate for a flat bumper
Equip the sensor with the 6° sensor cap and spring plate for bumper with a slope.

1 **Park the vehicle on a flat level surface.**

2 **Mark the bumper at 1.8 to 2.3 ft from the ground as a horizontal guideline.**

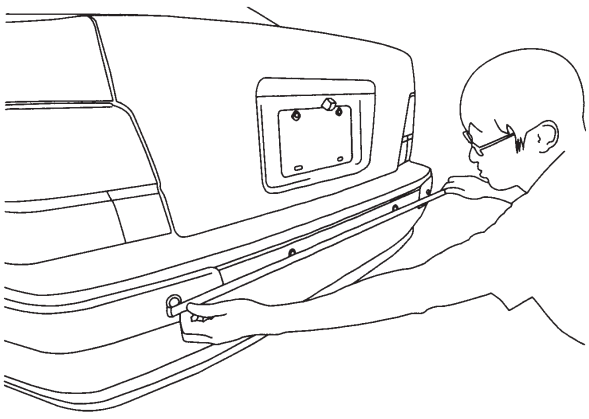
3 **Mark the center of the vehicle bumper with masking tape.**



4 **Select a smooth surface area on the bumper along the horizontal guideline.**

5 **Mark the bumper 0.4 ft away from the left and right corners of the bumper.**

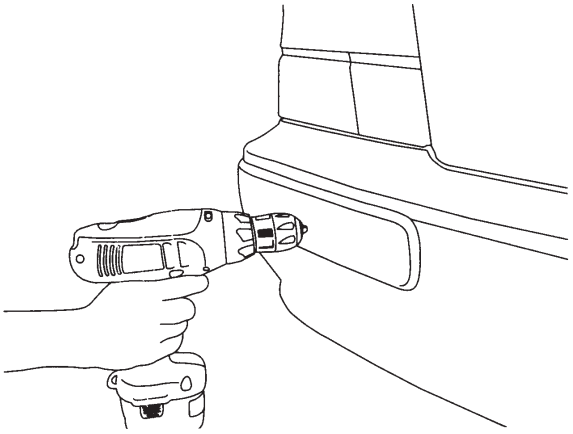
6 **Divide the distance between 2 marked points into three equal lengths. Mark the points for sensors S2 and S3 so all sensors are equally spaced.**



7 **Check the size of the hole saw to match the diameter of the sensors before drilling any holes.**

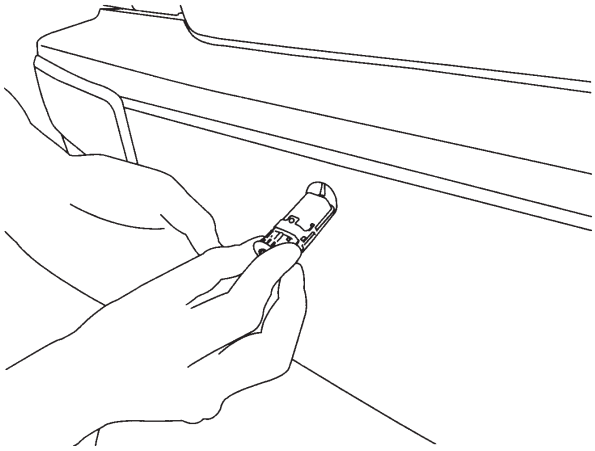
8 **Drill a 15/16 inch hole at each of the points that you made in step 1 to 6.**

9 **Check behind the bumper to ensure there is enough depth for sensor installation.**

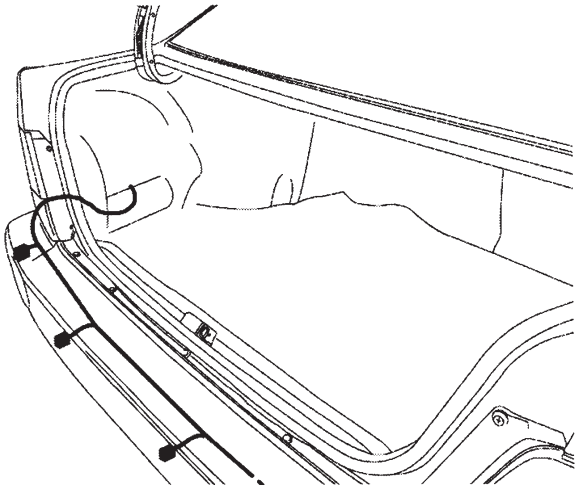


10 **Install the sensor vertically, with the "UP" sign facing up.**

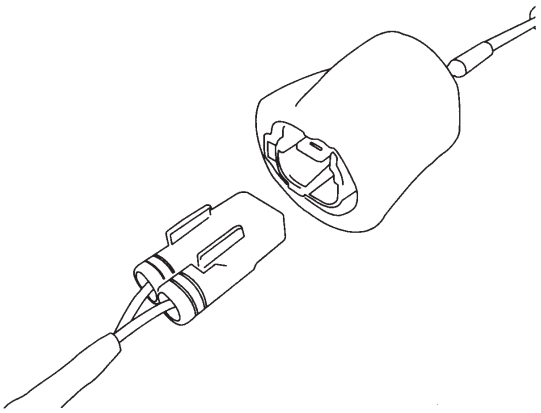
11 **Install the sensor into the hole and mount firmly in the bumper.**



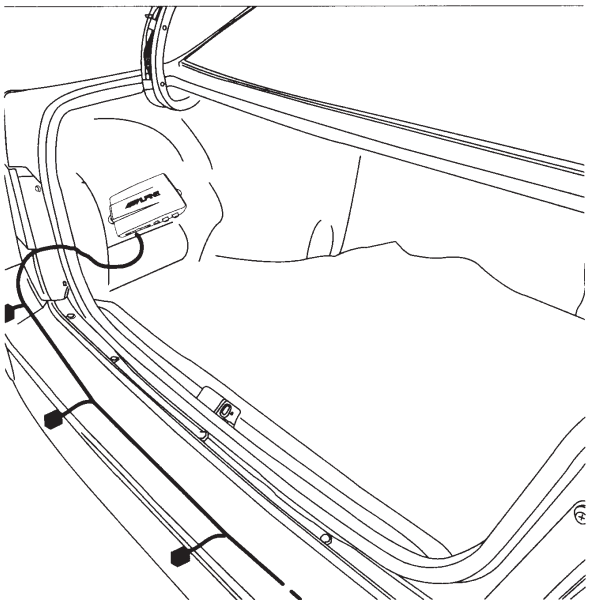
12 **Route the sensor cable.**



13 **Insert the plug into the socket.**



Installation of ECU



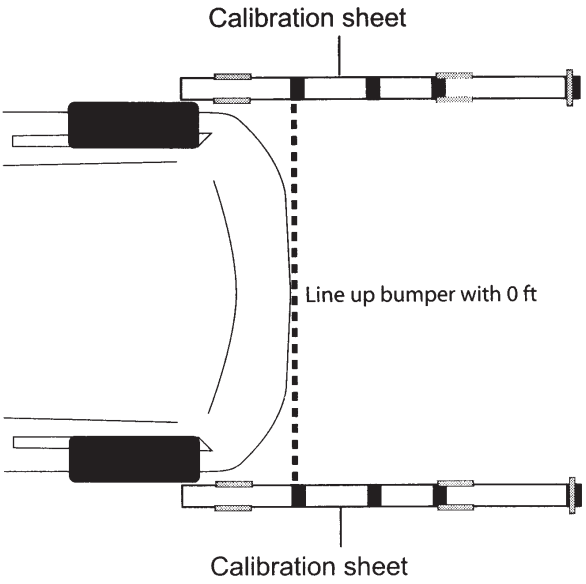
1 **Mount the ECU on a dry, protected area inside the vehicle. For example, behind the trunk panels or under the seats.**

2 **Connect the red wire to the ACC (+), the black wire to ground (-) of vehicle.**

3 **Connect reverse signal (+) to the orange/white wire.**

On-Screen Display Set Up

1 **Align the calibration paper behind the car, and up to the rear wheel. Align the 0 ft mark with the rear bumper.**



2 **On screen color with distance obstacle: RED (less than 1.5 ft), YELLOW (1.5 - 3 ft), GREEN (3 - 6 ft).**

3 **Press the [ENT] and [+] buttons for 5 seconds continuously to enter the On-Screen Display set-up mode.**

4 **Each item in the [Setup mode] can be selected by pressing the [+], [-] and [ENT] buttons.**
Following items can be adjusted in Setup mode.

1. **Fish-eye correction**
2. **Parking Guide Line**
3. **Diagnostic**
4. **Exit**

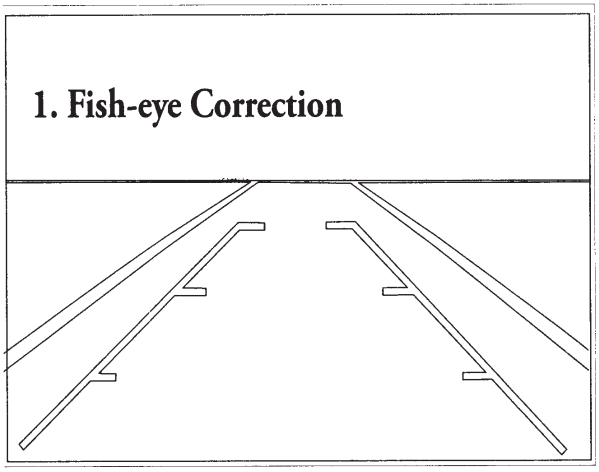
Fish-eye Correction Menu

To go to Fish-eye correction menu, refer to step 1 through 4 of On-Screen Display Set-up section.

1 In the fish-eye correction menu, press the [ENT] button to enter the fish-eye correction sub-menu.

2 Each item in the [Fish-eye correction] can be selected by pressing the [ENT]. Start with OFF, FEC 1 to 7 to avoid screen distortion.

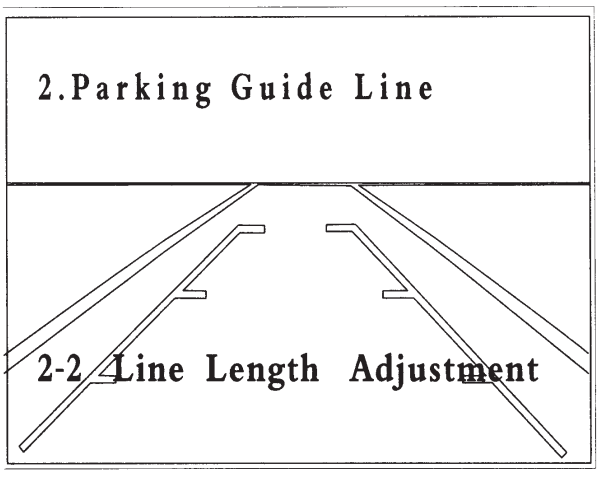
3 After Fish-eye Correction is completed, return to the [Setup Mode] menu by pressing the [ENT.]



Parking Guide Line Adjustment

To go to Parking Guide Line Adjustment, refer to step 1 through 4 of On-Screen Display Set-up section.

1 Select the "Line Length Adjustment". Press the [ENT] to enter.



2 Use the [+] or [-] button to adjust the top of Green line to match the back edge of the calibration paper, 6ft behind the rear bumper.

3 Press the [ENT] to enter the sub-menu.

4 Select the "Line Width Adjustment". Press the [ENT] to enter.

5 Use the [+] or [-] button to adjust the width to match the calibration paper.

6 Press the [ENT] to enter the sub-menu.

7 Select the "Line Slope Adjustment". Press the [ENT] to enter.

8 Use the [+] or [-] button to adjust the slope to match the calibration paper.

9 Press the [ENT] to enter the sub-menu.

10 Select the "Line Ratio Adjustment". Press the [ENT] to enter.

11 Use the [+] or [-] button to adjust the line ratio to match the calibration paper.

12 Press the [ENT] to enter the sub-menu.

13 Select the "Line Shift Adjustment". Press the [ENT] to enter.

14 Use the [+] or [-] button to adjust the line shift to match the calibration paper.

15 Press the [ENT] to enter the sub-menu.

Diagnostic

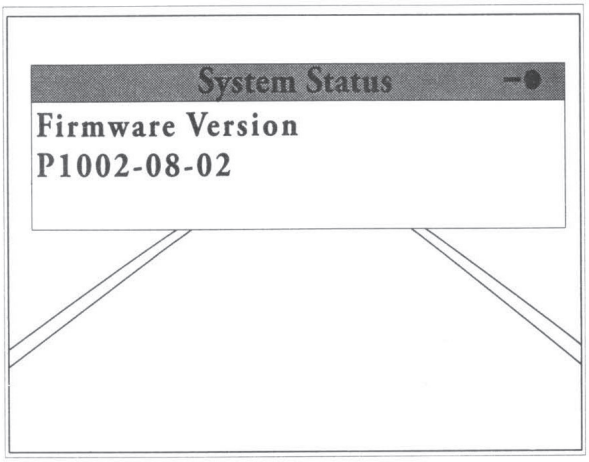
To go to Diagnostic menu, refer to step 1 through 4 of On-Screen Display Set-up section.

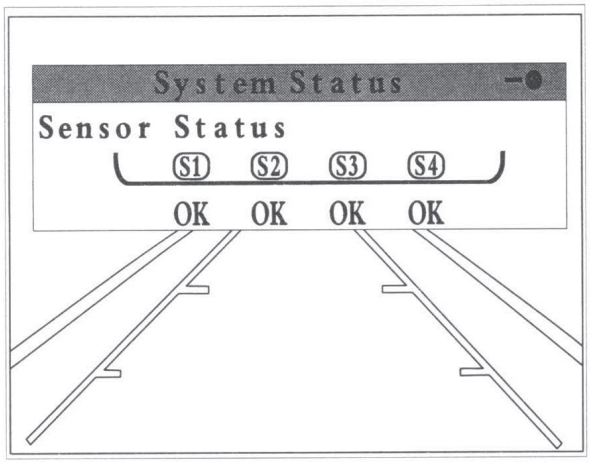
1 **Select the "Diagnostic". Press the [ENT] to enter.**

2 **Select the "System status". Press the [ENT] to enter.**

3 **Use the [+] or [-] button to review the "Firmware Version" and "Sensor Status".**

4 **Press the [ENT] to enter the sub menu.**

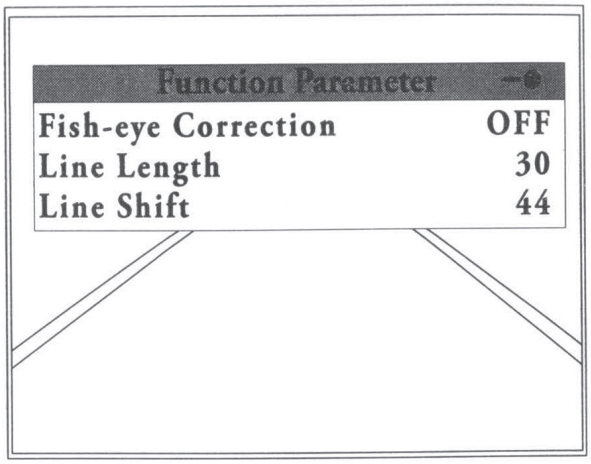


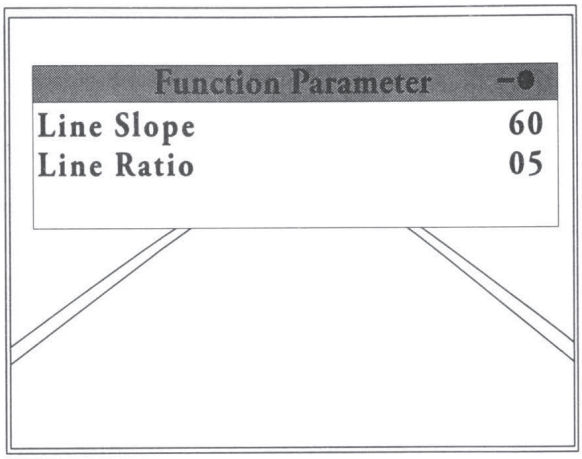


5 **Select the "Function Parameter". Press the [ENT] to enter.**

6 **Use the [+][-] button to review the function parameter of Fish-eye correction, Line Length, Line Width, Line Shift, Line Slope and Line ratio.**

7 **Press the [ENT] to enter the sub-menu.**

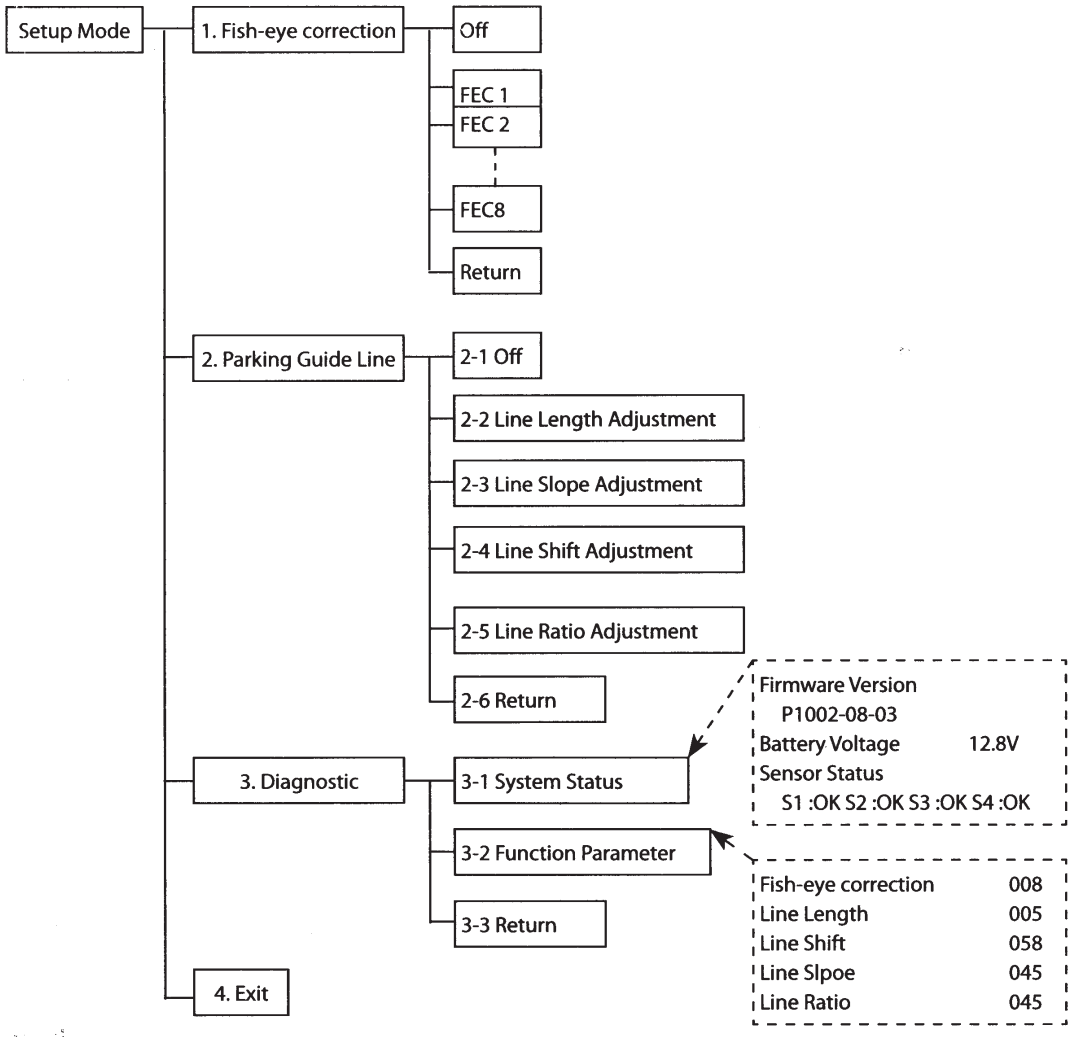




8 **Select the "RETURN". Press the [ENT] to enter the [Setup Mode].**

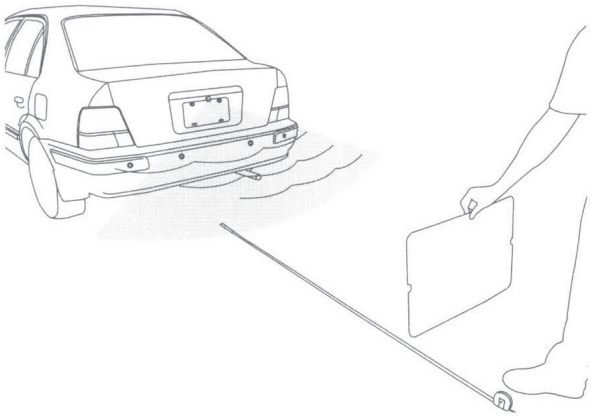
9 **Select the "Exit". Press the [ENT] to exit.**

Setup -Mode Structure Tree



Function Test after Installation

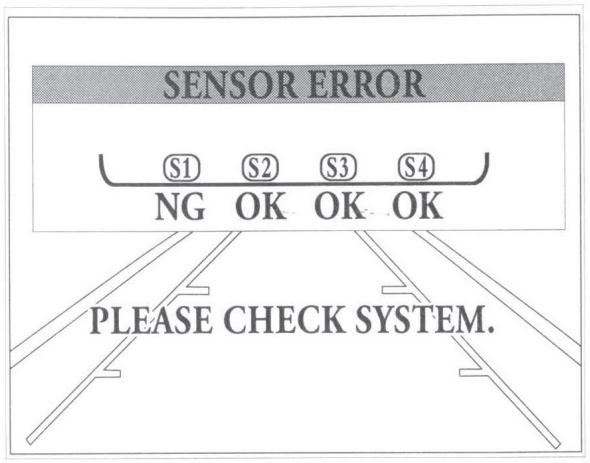
Turn on the vehicle's ignition switch and shift into reverse. Use a flat board (2 x 2 ft) behind the car to test the functions as described in the manual. Refer to the troubleshooting guide if a problem arises.



In Case of Difficulty

1. If a problem found with the sensor, the system will make three short beeps, then silence for one second. This audio signal occurs five times and the following message is displayed for 5 seconds.

a) Check the cable connection to the sensor.
b) Check whether the sensor wires are plugged into the ECU properly.
c) Check the sensor wires for damage.



2. Perform the following checks if the audible signal does not sound when the vehicle is approaching an obstacle.

a) Check whether the sensor surface is clean.
b) Check whether the sensor wires are plugged into the ECU properly.
c) Check the sensor wires for damage.

- *Ask an Alpine authorized dealer for advice if the trouble persists.*

3. Take your vehicle to an Alpine authorized dealer if you encounter either of these problems:

a) The audible signal sounds continuously when the shift lever is in the reverse position, and the sensors are not frozen or clogged with snow or mud.
b) The audible signal does not sound when the shift lever is moved to the reverse position.

Correction

Page 13 Step 7 & 8

7. Use the PS Guide sticker to guide your drilling.

8. Drill a 7/8 inch hole for the 4 sensors.

Thank you for choosing Alpine for your car audio equipment needs. Our goal is to produce the best audio/video/navigation products in the world and hope your expectations are met.

Please take a moment to protect your purchase by registering your product now at the following address: www.alpine-usa.com/registration. You will be informed of product and software updates (if applicable), special promotions, and news about Alpine.

Also, by registering your product, you can enter for a chance to win prizes!

We look forward to continue serving you in the future.

Sincerely,

The Alpine Team

French

Nous vous remercions d'avoir porté votre choix sur un équipement audio automobile Alpine. Notre principal objectif est de fabriquer les meilleurs produits audio, vidéo et de navigation au monde afin de répondre aux exigences de nos clients.

Veuillez prendre quelques instants pour sécuriser votre achat en enregistrant votre produit à l'adresse suivante: www.alpine-usa.com/registration. Vous serez informé(e) des nouveaux produits, mises à jour logicielles (le cas échéant), promotions spéciales et informations concernant Alpine.

Lors de l'enregistrement de votre produit, vous pouvez vous inscrire et obtenir une chance de gagner des prix !

Nous espérons que nos produits vous donneront entière satisfaction.

Cordialement,

L'équipe Alpine

Spanish

Agradecemos que haya elegido a Alpine como su proveedor de equipo de audio para su vehículo. Nuestro objetivo es fabricar los mejores productos de audio, video y navegación del mundo y esperamos poder cumplir con sus expectativas.

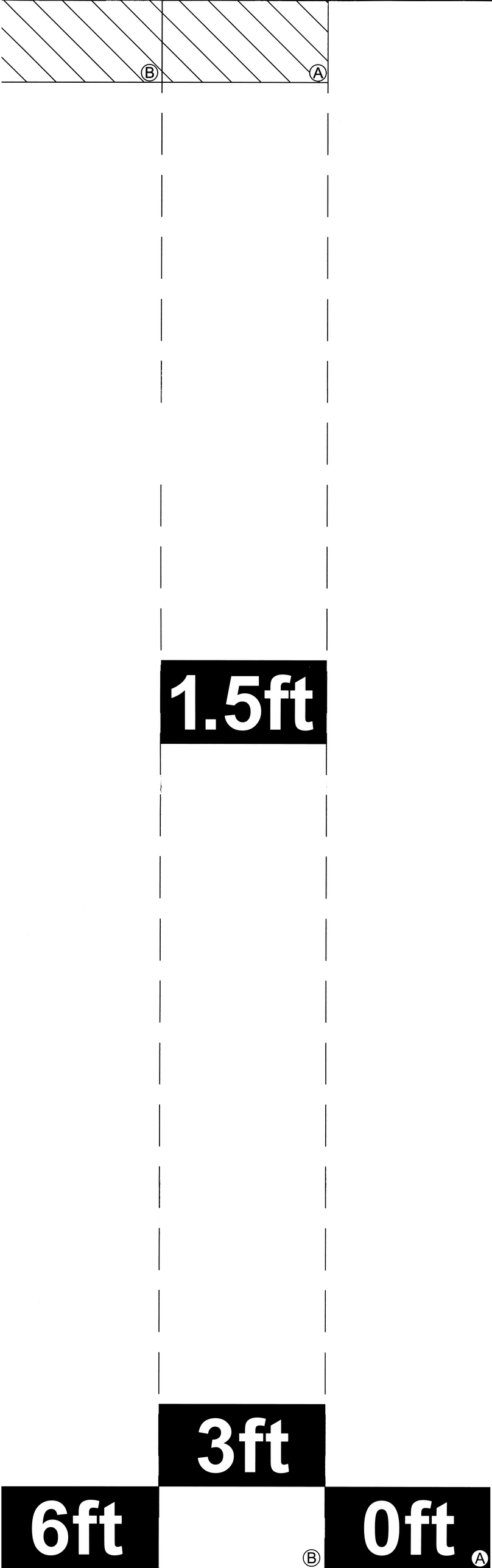
Para proteger su compra le pedimos que se tome unos momentos para registrar su producto en la siguiente dirección: www.alpine-usa.com/registration. Recibirá información sobre novedades del producto, actualizaciones de software (si su producto lo requiere), promociones especiales y noticias sobre Alpine.

Además, si registra su producto, tendrá la posibilidad de entrar a un sorteo para ganar diversos premios.

Esperamos poder tener la oportunidad de seguir ofreciéndole otros productos en el futuro.

Atentamente,

El equipo de Alpine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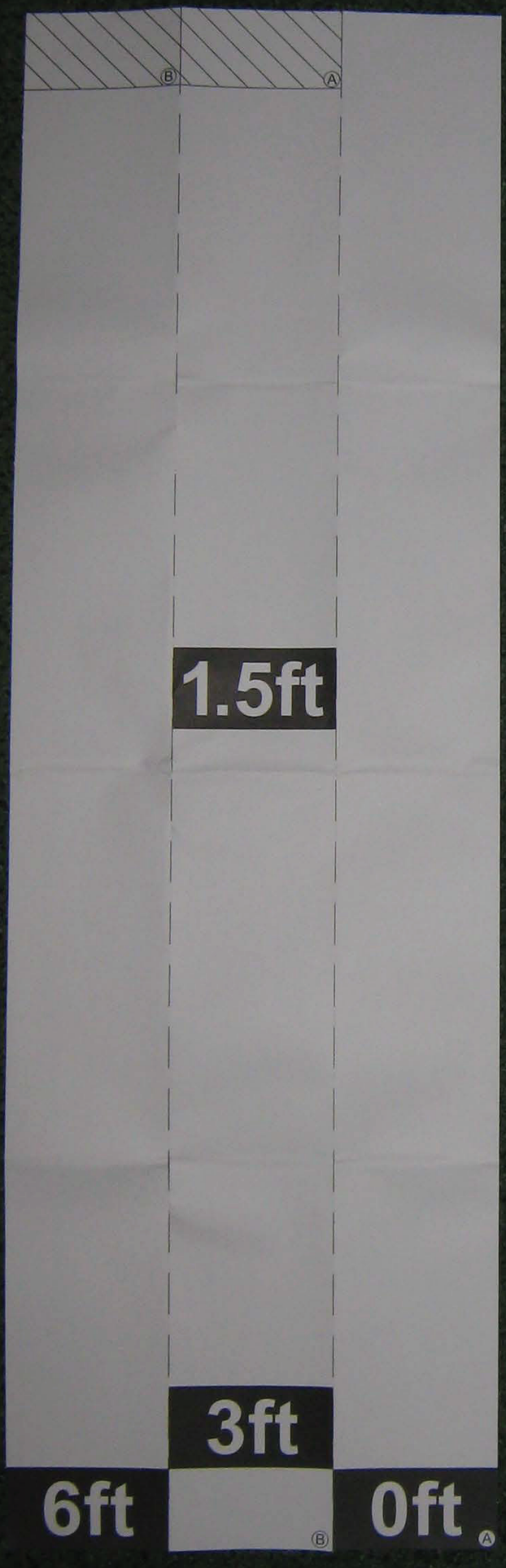
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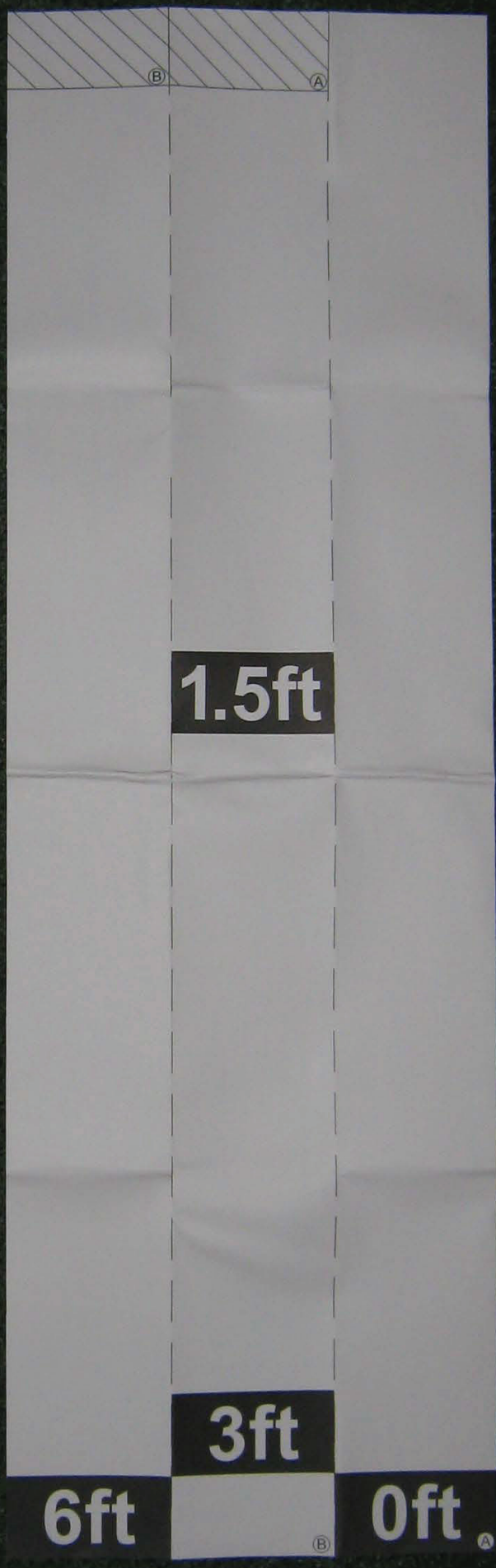
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- 3 LEVELS OF DISTANCE ALERTS WITH TRANSPARENT ZONE OVERLAYS AND AUDIBLE BEEP WARNINGS
- UNIVERSAL ADD-ON PARKING SENSOR SYSTEM WHICH CAN BE USED WITH ANY REARVIEW CAMERA

- 4 CAPTEURS ULTRASONORES À HAUTE PERFORMANCE
- CONTRÔLE DE PRÉCISION DE 9 ZONES INDIVIDUELLES DERRIÈRE LE VÉHICULE
- 3 NIVEAUX D'ALERTE DE DISTANCE AVEC DES SUPERPOSTIONS TRANSPARENTES DE ZONES ET DES SIGNAUX SONORES AUDIBLES
- SYSTÈME DE CAPTEURS DE PARKING UNIVERSEL ADDITIONNEL QUE VOUS POUVEZ UTILISER AVEC N'IMPORTE QUELLE ARRIÈRE

MADE IN TAIWAN R.O.C. FABRIQUÉ À TAÏWAN